रजिस्ट्री सं० डी एल—33001/94 REGISTERED NO. DL—33001/94

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 40] नई दिल्ली, शनिवार, अक्तूबर 1, 1994 (आश्विन 9, 1916)
No. 40] NEW DELHI, SATURDAY, OCTOBER 1, 1994 (ASVINA 9, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Patents and Designs

Calcutta, the 1st October 1994

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 1 अक्तूबर 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, डोंडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405; तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिविदि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

The following names of Patent Agents have been deleted from the Register of Patent Agents under Rule 101(d) of the Patents Rules, 1972.

1. R. N. Kapoor,
1700, Apsara,
Arya Samaj Road,
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New Delhi-110005.

2. S. B. Shah,
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4. R. C. Tyagi,
26, Budhana Gate,
Meerut,
U.P.-250002.

5. K. S. Valdyanathan,
152, Tambu Chetty Street,
Madras-600017.

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dated claimed under section 135, of the patent Act, 1970.

18th July 1994

564/Cal/94. Rintu Banerjee, Shukla Pal, and Bimal Chandra Bhattacharya. An enzymatic process for dehairing of goat and other animal skin.

565/Cal/94. Patent-treuhand-gesellschaft Fur Elektrische Gluehlampen Mbh. Metal Halide Discharge Lamp.

566/Cal/94. Ormat Industries Ltd. Method of and apparatus for augmenting power produced from gas turbines.

567/Cal/94. General Clutch Corporation. Improved friction hinge.

568/Cal/94. Carding Specialists (Canada) Limited. Piston rod bearing assembly of reciprocating piston engine. (Convention No. 9314957.3 dated 17-7-93 in U.K.).

569/Cal/94. Mass International Pty. Ltd. Electrical distribution system.

(Convention No. PM0036 dated 20-07-93 in Australia Convention No. PM4743 dated 24-03-94 in Australia).

19th July, 1994

570/Cal/94. Nico-elektro Aktiengesellschaft. Apparatus for feeding an electrical load.

571/Cal/94. Schenk Filterbau Gmbh. Process and filter system for continuous filtration of highly viscous fluids.

20th July 1994

572/Cal/94. Kylfhauser Maschinenfabrik Artern Gmbh. Centrifugal separator with the most heavy duty start.

573/Cal/94. Mitsuba Electric Manufacturing Co. Ltd. A working method of a tapered hole.

21st July 1994

574/Cal/94. Dr. Amar Kumar Mohanty and Dev Dutt Mohanty. Method for the production of sodium peroxide.

575/Cal/94. Chemring Limited. Treatment apparatus.

(Convention No. 9315473.0 dated 27-07-93 in United Kingdom convention No. 9401912.2 dated 01-02-94 in United Kingdom).

576/Cal/94. Epitope Inc. Storage-stable, solid, germicidal, pre-iodine composition.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATE, THIRD FLOOF, SUN MILL COMPOUND, LOWER PAREL (W) BOMBAY-13

13th June 1994

266/BOM/1994. Suklal Shamrao Vispute. Wel-come cancer medicine.

267/BOM/1994. Sardar Patel Renewable Energy Research Institute. Biphasic biogas system for Biomethanation of Agricultural Residues.

268/BOM/1994. Sardar Patel Renewable Energy Research Institute. Biogas plant based on Kitchen waste.

269/BOM/1994. Camphor and allied Products Ltd. A process for the preparation of 3, 4-Methylenedioxybenzaldehyde.

270/BOM/1994. Hindustan Lever Limited, Recovery.

16th June 1994

271/BOM/1994. Premprakash Nandkishor Khanna & Anil Chandraprakash Khanna. "Composition and process to make antibacterial soap in the form of cake, soft gel or liquid".

22nd June 1994

272/BOM/1994. Bhailal Ratansey Gada & Navin Ratansey Gada. A Special Basket-Type choke stop strainer".

273/BOM/1994. Anurag Shah. A Better balanced two wheeler scooter.

274/BOM/1994. The Dow Chemical company. Polystyrene foam seat useful for forming deep drawn articles, a process to produce those articles and the deep drawn articles.

23rd June 1994

275/BOM/1994. Alcoa Deutschland Gmbh. Plastics closure.

276/BOM/1994. Uday Bhawalkar. A device for processing organic/Inorganic wastes emanating from various sources to produce vermicastings, primarily as effective Biofertilizers and clean water for Re-Use.

277/BOM/1994. Physic Technologies Pvt. Ltd. Biologically Active composition from karanja seeds.

24th June 1994

278/BOM/1994. Anurag Shah, A variable sweep electric fan.

279/BOM/1994. Dave Ashok Pravinchandra and Dave Kaushik Pravinchandra. Luggage.

280/BOM/1994. Sunil Kumar Bhattachariya. Modifications in or Relating to preparation of noval solid disinfectant resin.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

1st August 1994

714/MAS/94. K. Srinivas Reddy. The device for eliminating use of any fractional motor with ordinary available.

715/MAS/94. V. K. Asokan. An avoid proof rat trap.

716/MAS/94. The Associated Octel Company Limited. Fuel additives. (August 2, 1993; United Kingdom).

717/MAS/94. Hoechst Aktiengesellschaft. Lipopeptide derivatives, a process for their preparation and their use.

718/MAS/94. Societe Des Produits Nestle S.A. Instant pasta product.

2nd August 1994

719/MAS/94. Kabushiki Kaisha Somic Ishikawa. Ball joint.

720/MAS/94. Hoechst Aktiengesellschaft. Retention system and method for preventing the efflux of substances from installations into the surroundings.

721/MAS/94. Shell Internationale Research Maatschappij BV. Process for the catalytic partial oxidation of hydrocarbons.

722/MAS/94. Fisher-Rosemount Systems, Inc. Multi-region fuzzy logic control system with auxiliary variables.

723/MAS/94. Maschinenfabrik Rieter AG. A roller device.

724/MAS/94. Rieter Ingolstadt. A method of causing a flat can to reciprocate during filling at a textile machine delivering silver, and apparatus therefor.

725/MAS/94. AB Connectors Limited. Pin and socket electrical connector. (August 4, 1993; United Kingdom).

3rd August 1994

726/MAS/94. Romagnoli Tiziano. Plastic centre whose dimensions can be reduced, for forming spools of yarn which is to be dyed or to undergo other operations.

727/MAS/94. Conseiglio Nazionale Delle Ricerche and Inalco S.p.A. System using tubular photobioreactors for the industrial culture of photosynthetic microorganisms.

728/MAS/94. Checkpoint Security Services Limited. Apparatus for applying heat transferable images. (August 4, 1993; Great Britain).

729/MAS/94. Callebaut N.V. Apparatus for concining chocolate mass.

730/MAS/94. Bridon plc. High strength core for wire ropes. (August 4, 1993; United Kingdom).

731/MAS/94. ABB Management AG. Method of establishing part-load operation in a gas turbine group.

732/MAS/94. Maschinenfabrik Rieter AG. Roving frame.

733/MAS/94. Maschinenfabrik Rieter AG. Roving frame with stationary bobbin rail.

734/MAS/94. Maschinenfabrik Rieter AG. Device for feeding a lap sheet to a combing head of a combing machine.

4th August 1994

735/MAS/94. Synphar Laboratories, Inc. An improved & Economical manufacturing process for 1, 2, 3-triazoles.

736/MAS/94. Bracco S.p.A. Iodinated X-ray contrast compounds and method for the preparation thereof.

737/MAS/94. Societe Des Produits Nestle S.A. Flavouring agent.

738/MAS/94. Secheron SA. A switch having a vacuum interrupter.

739/MAS/94. PPV Verwaltungs AG. Method and apparatus for the production of a fuel mixture.

740/MAS/94. Barnard Stewart Silver. Method and apparatus for extracting with liquids soluble substances from subdivided solids.

5th August 1994

741/MAS/94. K.T. Kuruvilla. A compact fluorescent lamp adoptor containing an electronic ballast with an incandescent lamp socket.

742/MAS/94. Boke Manor Research Limited. Apparatus for use in equipment providing a digital radio link between a fixed and a mobile radio unit. (August 18, 1993; United Kingdom).

743/MAS/94. Boke Manor Research Limited. Apparatus for use in equipment providing a digital radio link between a fixed and a mobile radio unit. (August 26, 1993; Great Britain).

744/MAS/94. Thompson's Pet Pasta Products Inc. Moist pasta-type food products and method of producing same.

745/MAS/94. Mobil Oil Corporation. Modified solid oxide catalyst and process for producing same.

8th August 1994

746/MAS/94. McCormick & Company Inc. An apparatus for sterilizing a vegetable product of the type having a volatile oil.

747/MAS/94. McCormick & Company Inc. A method and apparatus for sterilizing a vegetable product containing volatile oil. (Divisional to Patent Application No. 32/MAS/93).

748/MAS/94. IRO AB and Memminger-IRO GMBH. Method for detecting a yarn store in a yarn storage and feed device, and yarn storage and feed device.

749/MAS/94. Taoka Chemical Company Ltd., and Chugai Seiyaku Kabushiki Kaisha. Process for preparing sulfide compounds.

750/MAS/94. BPB Industries Public Limited Company. Method and apparatus for heating and grinding material. (August 27, 1993; United Kingdom).

9th August 1994

751/MAS/94. Mobil Oil Corporation. Combined paraffin isomerization/ring opening process.

752/MAS/94. Marzevit Tassiyot Beniya Ltd. Liquid pump and method.

753/MAS/94. Hoechst Aktiengesellschaft. Mixtures of polymers with water.

754/MAS/94. Heat-Win Limited. Method and apparatus for continuous drying in superheated steam. (August 26, 1993; Great Britain).

755/MAS/94. Metal Box South Africa Limited. The packaging of articles.

10th August 1994

756/MAS/94. Tric Holdings Limited. Method of servicing interior of large container and service apparatus.

757/MAS/94. Junichi Nakazawa. Electronic lead elements and the production method thereof.

758/MAS/94. Compagnie Generale Des Etablissements Michelin—Michelin & CIE. Tyre with radial carcass reinforcement.

759/MAS/94. Haldor Topsoe A/S. Process for the steam reforming of hydrocarbons.

11th August 1994

760/MAS/94. Minnesota Mining and Manufacturing Company. Fiber optic housing with removable chassis.

761/MAS/94. Minnesota Mining and Manufacturing Company. Fiber optic housing with low part count.

762/MAS/94. Indian Space Research Organisation. Improved impact testing machine for measuring dynamic fracture toughness of engineering materials.

12th August, 1994

763/MAS/94. Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Cop forming method and apparatus in spinning machine.

764/MAS/94. Dipl.-Ing. Ernst Kreiselmaier. A coating for tube plates and coolant tubes in heat exchangers.

765/MAS/94. Foseco International Limited. Mould fluxes and their use in the continuous casting of steel. (August 26, 1993; Great Britain).

766/MAS/94. Zonagen Inc. Methods for modulating the human sexual response.

767/MAS/94. Creusot-Loire Industrie, Immeuble Lle de France. Method of manufacturing a metal component resistant to abrasion by a fluid and metal component obtained.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, पुकस्व को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों को टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित निष्पादन प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का निष्पादन प्रभार 2/- रु. है) फोटो निष्पादन प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 166-C 174161

Int. Cl.[4]: B 63 H 9/00.

WIND BOAT.

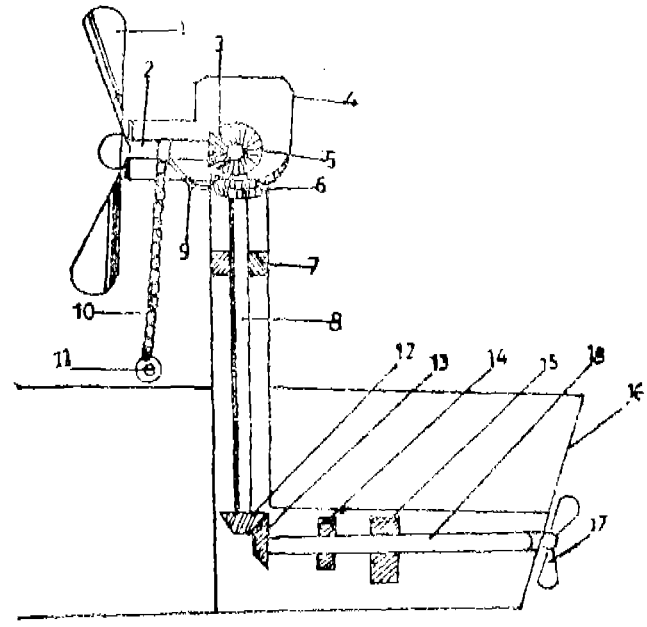
Applicant & Inventor: MADURAI GOPI, OF NO. 4/216-A, THERUVEETHIAMAN KOIL STREET, PERIAKULATHUVANCHERI, IYYAPPANTHANGAL, MADRAS-602 101.

Application No. 909/MAS/88 filed December 22, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

7 Claims

A wind boat comprising a plurality of wind blades (1) fixed to one end of a horizontal rotor shaft, (2) Behind the wind blades (1) and to the other end of said horizontal rotor shaft a pinion gear (3) being connected which rotates in conjunction with a sun gear (5) fixed to the top of a hollow vertical rotor shaft (8) and in the bottom end of the hollow vertical rotor shaft a bevel gear (12) being fixed to rotate another bevel gear (13) of the horizontal propeller hollow shaft (18) with propeller blades (17) fixed to it, all secured by hood section guard and vertical outer guard.



(Com. 12 pages; Drwgs. 2 sheets)

Ind. Cl.: 166-C 174162

Int. Cl.[4]: B 63 H 9/00.

AN IMPROVED WIND BOAT.

Applicant & Inventor: MADURAI GOPI, OF NO. 4/216-A, THERUVEETHIAMMAN KOIL STREET, PERIAKULATHUVANCHERI, IYYAPPANTHANGAL, MADRAS-602 101.

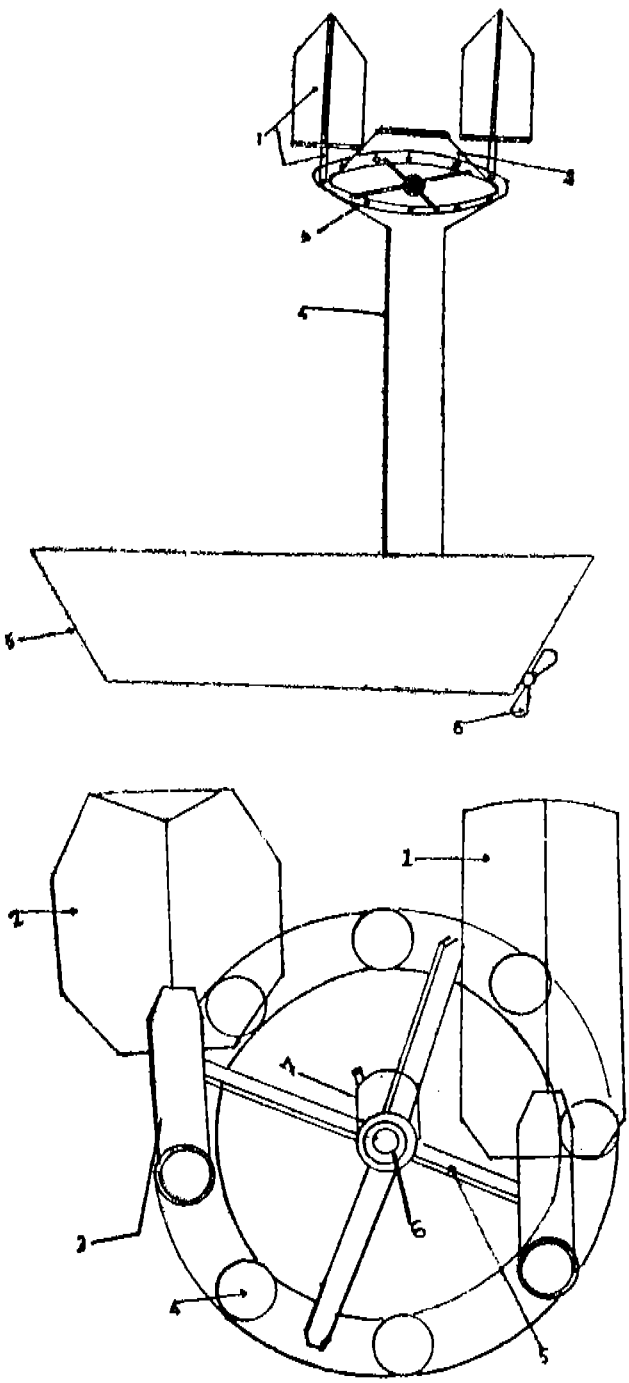
Application No. 288/MAS/89 filed April, 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

4 Claims

A Wind Boat comprising a horizontal propeller shaft having propeller blades at one end and bevel gear at the other end, a hollow rotor shaft disposed vertically, having bevel gear at the bottom end meshing with the bevel gear of the said propeller shaft, where in Wind blades are disposed vertically on a circular ring, the said circular ring having a lower part and an upper part, a plurality of holes provided on the said upper part for fixing the said wind blades, the said circular ring be-

ing connected to the said hollow rotor shaft through a set of gear.



(Com. 15 pages; Drwgs. 2 sheets)

Ind. Cl.: 205—F&G 174163

Int. Cl.[4]: B 29 D 30/00.

METALIC AND NON-METALIC SAFETY TYRES.

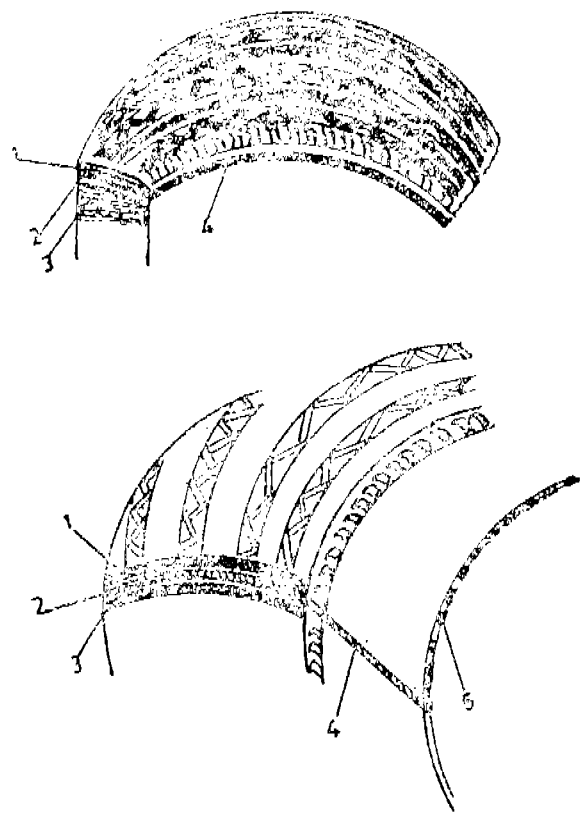
Applicant & Inventor: MADURAI GOPI, OF NO. 4/216-A, THERUVEETHIAMMAN KOIL STREET, PERIAKULATHUVANCHERI, IYYAPPANTHANGAL, MADRAS-602 101.

Application No. 289/MAS/89 filed April 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

7 Claims

A method of manufacturing safety tyre wherein during the known tyre manufacturing process, a plurailty of sheets are inserted in between the top most First and Second layers and in the middle section, and in the mouth beading of the said tyre.



(Com. 17 pages; Drwgs. 2 sheets)

Ind. Cl.: 166-C 174164

Int. Cl.[4]: B 63 H 9/00.

IMPROVED WIND BOAT.

Applicant & Inventor: MADURAI GOPI OF NO. 4/216-A, THERUVEETHIAMMAN KOIL STREET, PERIYAKULATHUVENCHERI, IYYAPPANTHANGAL, MADRAS-602 101.

Application No. 290/MAS/89 filed April 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

1 Claim

A wind boat comprising a horizontal propeller shaft having propeller blades at one end and bevel gear at the other end, a hollow rotor shaft disposed vertically, having bevel gear at the bottom end meshing with the bevel gear of the said propeller shaft a clutch fixed in the middle of the said rotor shaft, wherein wind blades, rotatable in a vertical axis, are fixed to

a circular outer ring, the ring having spur gear meshing with another spur gear fixed to the said rotor shaft at its top end, the top edge of the said ring being covered with a cap.

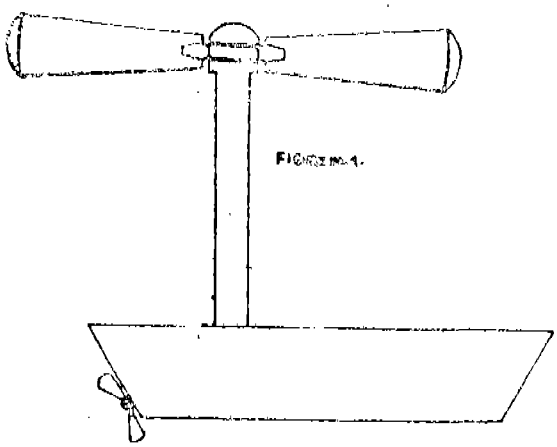


FIGURE No. 1.

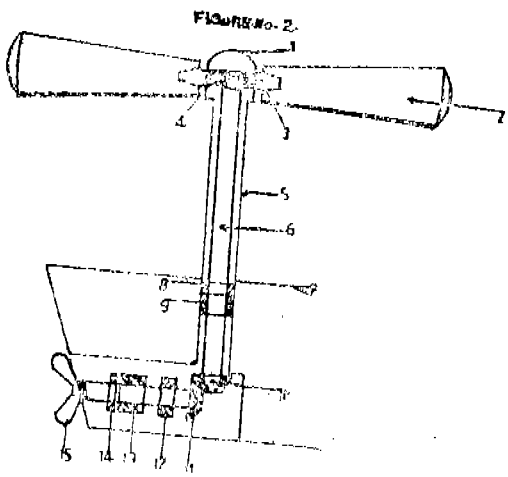


FIGURE No. 2.

(Com. 9 pages; Drwgs. 1 sheet)

Ind. Cl. : 105-C & 206-E 174165

Int. Cl.[4] : G 01 N 21/62.

APPARATUS FOR IDENTIFYING OBJECTS OR ZONES OF AN ARTICLE FOR USE WITH MEANS FOR PROJECTING MODULATED INCIDENT RADIATION TO STRIKE THE OBJECTS OR ZONES ALONG AN EXTENDED LINE.

Applicant : GERSAN ESTABLISHMENT, OF AEULESTRASSE 5, 9490 VADUZ, LIECHTENSTEIN, A LIECHTENSTEIN ESTABLISHMENT.

Inventors :

(1) MARTIN PHILLIP SMITH.
(2) ROBIN WYNCLIFFE SMITH.
(3) MARTIN COOPER.
(4) CHRISTOPHER MARK WELBOURN.
(5) PAUL MARTIN SPEAR.

Application No. 356/MAS/89 filed May 8, 1989.

Convention date : May 6, 1988; (No. 8810723.0; Great Britain).

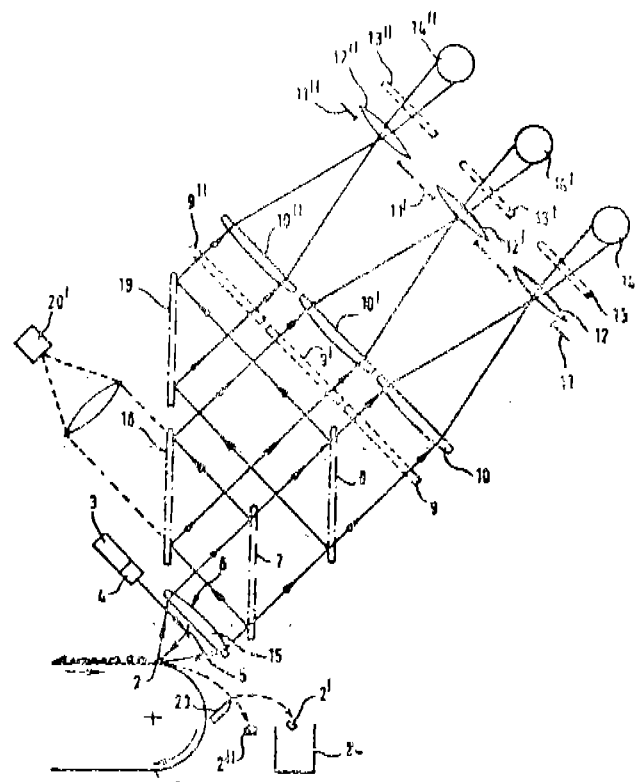
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

Apparatus for identifying objects or zones of an article for use with means for projecting modulated incident radiation to strike the objects or zones along an extended line, which radiation will cause radiation to be emitted by the objects of zones to be identified, and which incident radiation has a modulation frequency which changes along the line, the apparatus comprising :

means for sensing the radiation emitted by the objects or zones; and

means for association with the projecting means for sensing the frequency of the emitted radiation, and thereby identifying the position on said line from which the radiation has been emitted.



(Com. 8 pages; Drwg. 1 sheet)

Ind. Cl. : 152-E 174166

Int. Cl.[4] : C 08 L 69/00.

A PROCESS FOR PREPARING POLYMER BLEND.

Applicant : POLYSAR FINANCIAL SERVICES S A, A CORPORATION OF SWITZERLAND, OF FRIBOURG, CANTON OF FRIBOURG, SWITZERLAND.

Inventors :

(1) LAWRENCE YUN-SHIH LO.
(2) PAUL ROBERT BOULIER.

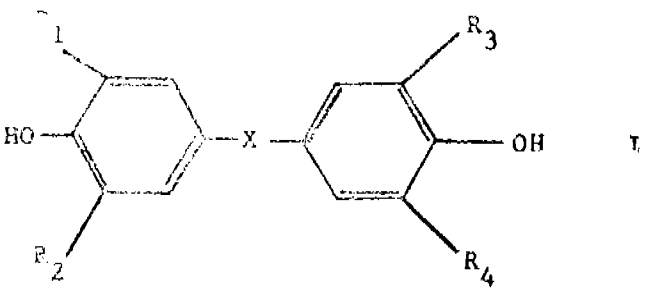
Application No. 474/MAS/89 filed June 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for preparing a polymer blend comprising extruding a mixture comprising :

(A) from 20 to 90 part by weight of one or more homo- and co-polycarbonates which are based on one or more polyphenols selected from the group consisting of hydroquinone, resorcinal, and polyphenols of the formula.



wherein R_1, R_2, R_3, R_4 are independently selected from the group consisting of a hydrogen atom, a chlorine atom, a bromine atom, and a C_{1-4} alkyl radical; and

X is a bond or divalent radical selected from the group consisting of C_{1-10} alkylene radicals;

C_{2-8} alkenylene radicals, and C_{6-8} cyclo alkylene radicals; and

from 80 to 10 parts by weight of a graft copolymer comprising

(I) 25 to 75 parts by weight of a C_{1} vinyl aromatic monomer which is unsubstituted or substituted at the vinyl radical by a C_1 alkyl radical and which may be substituted in the aromatic ring by up to two substituents selected from the group consisting of chlorine and bromine atoms and C1-4 alkyl radicals;

(II) from 7 to 30 parts by weight of a copolymerizable C_{2-8} alkyl or hydroxy alkyl ester of a C_{3-6} ethylenically unsaturated acid provided that homopolymers of such esters here a Tg of less than 40°C; and

(III) from 10 to 50 parts by weight of methyl methacrylate which is grafted to from 2 to 20 parts by weight of linear and radical di and tri block copolymers having a molecular weight of not less than 75,000 and a styrene content from 20 to 50 weight % selected from the group consisting of styrene-butadiene diblock copolymers, styrene-butadiene-styrene triblock copolymers, styrene-isoprene diblock copolymers, styrene-isoprene-styrene triblock copolymers, partially hydrogenated styrene-butadiene-styrene triblock copolymers, and partially hydrogenated styrene-isoprene-styrene triblock copolymers; using a blending procedure selected from the group consisting of :

(i) blendingl using an intensive mixer; and

(ii) solution blending.

(Com. 17 pages; Drwgs. 3 sheets)

Ind. Cl. : 1-A 174167

Int. Cl.[4] : C 09 J 3/14.

A METHOD OF MAKING A PRESSURE-SENSITIVE ADHESIVE COMPOSITION AND A SHEET COATED WITH THE SAID COMPOSITION.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, UNITED STATES OF AMERICA.

Inventors :

(1) MAHFUSA B. ALI.
(2) MILTON H. ANDRUS, Jr.
(3) DONALD H. LUCAST.
(4) ROGER A. OLSEN.
(5) ROOPRAM RAMHARACK.

Application No. 496/MAS/89 filed June 26, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

7 Claims

A method of making a pressure-sensitive adhesive composition consisting of :

(a) a block copolymer represented by the general formula I $(BAT)_n$;

wherein

I represents the free radical initiator portion of an iniferter of the formula $I(T)_n$;

T represents the termination portion of said iniferter;

n is an integer of at least 2;

B represents an elastic acrylic polymer block having a glass transition temperature of less than 0°C; and

A represents a normally thermoplastic polymer block having a glass transition temperature of at least 30°C.

wherein said A-block is formed of a monomer selected from the group consisting of methyl methacrylate, polystyrylethyl methacrylate macromer, methyl methacrylate macromer, acrylic acid, acrylonitrile, isobornyl methacrylate, N-vinyl pyrrolidone, and mixtures thereof,

the weight ratio of said B-block to said A-block in said block copolymer being from about 95 : 5 to 50 :50, and

(b) upto 150 parts by weight tackifier per 100 parts by weight of the block copolymer;

wherein the said block copolymer of formula $I(BAT)_n$ is obtained by

(a) mixing (1) an iniferter represented by the general formula $I(T)_n$ capable upon being subjected to an appropriate energy source of forming free radicals $I(.)_n$ and nT wherein n is an integer of at least 2, a highly reactive free radical capable of initiating free radical polymerization, and T is a less reactive free radical less capable of initiating free radical polymerization than I. but is capable of rejoining with I(.)n or a free radical polymer segment free radically polymerized with $I(.)_n$ upon termination of said energy source and (2) a first monomer charge comprising acrylic monomer which is free radically poly-

merizable in the presence of $I(\cdot)_n$ to form an acrylic polymer block having a glass transition temperature of less than 0°C;

(b) exposing the said mixture to an energy source capable of forming free radicals $I(')_n$ and $_nT^{\cdot}$;

(c) maintaining the energy exposure until said first monomer charge polymerizes with $I \cdot)n$ to form a free radical polymer segment represented by the formula $I(B\cdot)_n$ wherein B represents an elastic acrylic polymer block having a glass transition temperature of less than 0°C;

(d) terminating said energy exposure to cause $I(B\cdot)_n$ and $_nT\cdot$ to combine and form a polymer represented by the formula $I(BT)_n$;

(e) mixing the said $I(BT)_n$ with a second monomer charge free radically polymerizable in the presence of $I(B\cdot)_n$ to a thermoplastic block having a glass transition temperature of at least 30°C;

(f) exposing the said mixture (e) to an energy source capable of forming free radicals $I(B\cdot)_n$ and $_nT\cdot$;

(g) maintaining the energy exposure until said second monomer carge polymerizes with $I(B\cdot)_n$ to form a free radical block copolymer segment represented by the formula $I(BA\cdot)_n$ wherein A represents a normally thermoplastic polymer block having a glass transition temberature of at least 30°C formed of said second monomer charge selected from the group consisting of methyl methacrulate, polystyrylethyl methacrylate macromer, methyl methacrylate macromer, acrylic acid, acrylonitrile, isobornyl methacrylate, N-vinyll pyrrolidone, and mixture thereof;

(h) terminating the energy exposure when $I(BA)_n$ and $_nT\cdot$ combine to form a block copolymer represented by the formula $I(BAT)_n$

(Com. 48 pages).

Ind. Cl. : 83-A3 [GROUP—XIV(5)] 174168

Int. Cl.[4] : A 23 B 5/00.

A METHOD OF MAKING A HYPERPASTEURIZED EGG WITH SHELL.

Applicant : QED. INC., INCORPORATED UNDER THE STATE OF WASHINGTON, U.S.A., OF 246 EAST BARTLETT ROAD, LYNDEN, WASHINGTON 98264, U.S.A.

Inventors :

(1) JAMES P. COX.
(2) JEANNE M. COX.
(3) ROBERT W. DUFFY COX.

Application No. 508/MAS/92 filed August 19, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A method of making a hyperpasteurized egg with shell comprising the steps of maintaining the egg at a temperature of 128.9°F to 150°F for a period of 1 mt to 18 hrs to obtain a reduced microbial count in the yolk while leaving the egg white substantially uncoagulated; infusing an infusate such as herein described through the shell of the egg to obtain an egg with reduced bacterial population and protection from recontamination by microorganisms or oxygen containing gases.

(Com. 88 pages; Drwgs 14 sheets)

Ind. Cl. : 55-E4 [GROUP—XIX(1)] 174169

Int. Cl.[4] : A 61 K 9/16.

A PROCESS FOR THE PREPARATION OF A PHARMACEUTICAL COMPOSITION.

Applicant : THE BOOTS COMPANY PLC., A BRITISH COMPANY, OF 1 THANE ROAD WEST, NOTTINGHAM, NG2 3AA, NOTTS, ENGLAND.

Inventors :

(1) GRAHAM JOHN ATKIN.
(2) PETER DREW.
(3) JOHN LESLIE TURNER.

Application No. 542/MAS/92 filed August 28, 1992.

Convention date : 06 September, 1991; (No. 9119052.0; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims (No drawing)

A process for the preparation of a pharmaceutical composition containing 2-(4-isobutylphenyl) propionic acid or a pharmaceutically acceptable salt therein in the form of agglomerates having a surface area in the range 4.1 to 0.5 m.2 g-1 comprising 70-97% by weight of 2-(4-isobutylphenyl) propionic acid or a pharmaceutically acceptable salt thereof and 3-30% by weight of a starch component wherein the starch component comprises maize starch and pregelled maize starch wherein the weight ratio of maize starch to pregelled maize starch is within the range of 25 : 1 to 1 : 25, said process comprising the steps of (a) forming an emulsion comprising (1) 70-97% by weight of 2-(4-isobutylphenyl) propionic acid or a salt thereof (2) a solvent system such as herein described, wherein the weight ratio of 2-(4-isobutylphenyl) propionic acid to the solvent system is in the range of 1 : 1 to 1 : 50 (3) 3-30% by weight of the starch component (4) water and optionally (5) a surfactant such as herein described (b) crystallising to produce a suspension comprising crystals of 2-(40 isobutylphenyl) propionic acid or the salt thereof in intimate contact with the starch component, (c) agitating said suspension to form agglomerates comprising an evenlydistributed mixture of 2-(4-isobutylphenyl) propionic acid or a salt thereof and the starch component (4) collecting said agglomerates and optionally (e) drying said agglomerates.

(Com. 34 pages).

Ind. Cl. : 83-A_1 174170

Int. Cl.[4] : A 23 L 1/00.

A PROCESS FOR PREPARING AN IMPROVED FOOD STUFF HAVING HIGH WATER SOLUBILITY.

Applicant : SMITHKLINE BEECHAM p.l.c. A BRITISH COMPANY, OF NEW HORIZONS COURT, BRENTFORD, MIDDLESEX TW8 9BD, ENGLAND.

Inventor : PHILIP ADAM CAMBURN.

Application No. 638/MAS/92 filed October 15, 1992.

Convention date : October 17, 1991; (No. 9122109.3; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Calims

A process for preparing an improved foodstuff having high water solubility wherein the improvement comprises in processing a carbohydrate-containing material having a moisture content of less than 40% by weight under severe conditions of mechanical disruption and shear in an extruder until the soluble alpha-glucan component of the extrudate has a ratio of greater than 1 for the amount of alpha-glucan having a degree of polymerisation greater than 50 to the amount of alpha-glucan with a degree of polymerisation less than 50 and until the true solubility of the resultant foodstuff in water after milling is greater than 55% by weight.

(Com. 22 pages; Drwgs. 4 sheets)

Ind. Cl.: 127 E. 174171

Int. Cl.[4]: F 16 H 39/10, 39/36.

A TRANSMISSION DEVICE FOR DRIVING ROTARY TURRETS.

Applicant: POCLAIN HYDRAULICS, A FRENCH COMPANY, OF B.P. 12, 60410 VERBERIE, FRANCE.

Inventors: LOUIS BIGO & MARC PEROT.

Application for Patent No. 119/DEL/88 filed on 12th February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

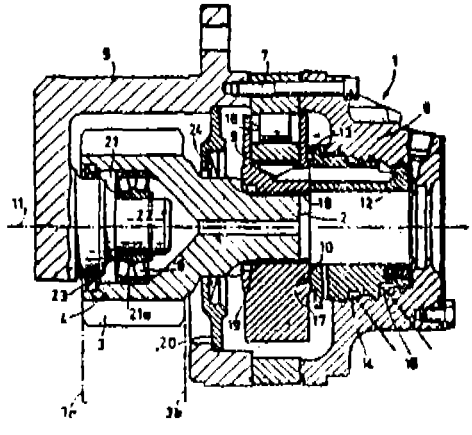
4 Claims

A transmission device for driving rotary turrets, said device comprising a shaft (2) which is rotatable and extends at least partially within said frame (5);

a gear wheel (3) mounted around the outer periphery of said shaft (2) to rotate in unison therewith;

an appended (4) part of the frame partially capping the gear (3) wheel and one end of said shaft (2) and partially disposed facing the transverse face of the shaft (2) at said end thereof; and

at least one rotary (8) bearing which is disposed between said shaft (5) and said part of said (4) frame, characterised in that said gear (3) wheel is mounted at said end of the shaft (2), said shaft (2) comprising an axially extending hollow (21) or recess therein which opens through the transverse face of the shaft (2) at said end thereof, said appended (4) part of the said frame (5) comprising protuberance (22) integral with said frame (5), said protuberance (22) also being coaxial with said hollow (21) or recess and being contained within said hollow (21) or recess and supporting the rotary bearing (8), said rotary bearing (8) being single bearing disposed between the outer periphery of the protuberance (22) and the inner periphery of the hollow (21).



(Comp. Specn. 8 pages; Drwg. 2 sheets)

Ind. Cl.: 98 I 174172

Int. Cl.: H01 L 31/00.

A SOLAR CELL.

Applicant(s): ENERGY CONVERSION DEVICES, INC. A CORPORATION OF THE STATE OF DELAWARE OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

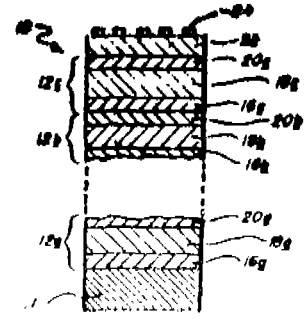
Inventor(s): SUBHENDU GUHA, CHI-CHUNG YANG AND STANFORD ROBERTS OVSHINSKY.

Application for Patent No. 426/DEL/88 filed on 13 May 1988.

Appropriate Office for Opposition Proceeding (Rule 4, of Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

22 Claims

A solar cell having at least one intrinsic layer of thin film substantially amorphous semiconductor alloy material; said intrinsic layer (18a, 18b, 18c) characterised by a portion thereof having a first band gap and a portion thereof having a second, minimum hand gap more narrow than the first band gap portion; said intrinsic layer (18a, 18b, 18c) sandwiched between oppositely doped layers (16a, 20a, 16b, 20b, 16c, 20c) of semiconductor alloy material; the band gap of all portions of the intrinsic layer (18a, 18b, 18c) not contiguous to the intrinsic layer-depant layer interfaces being less than the band gap of the depant layers (16a, 20a, etc.), the band gap of said intrinsic layer (18a, 18b, 18c) being graded between minimum and maximum values over a substantial portion of the bulk thickness thereof, said graded portion having a stepped region at the intrinsic layer-dopant layer interfaces.



(Comp. Specn. 64 pages; Drwg. 5 sheets)

Ind. Cl.: 131A[5]. 174173

Int. Cl.[4]: E21B 7/18 17/02.

DRILL PIPE FOR USE IN DRILLING SUBTERRANEAN FORMATIONS.

Applicant: PANGAEA ENTERPRISES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF TEXAS, UNITED STATES OF AMERICA, OF 500 MAIN STREET, SUITE 1010, FORT WORTH, TARRANT COUNTY, TEXAS (76102, UNITED STATES OF AMERICA.

Inventors: HARRY BAILEY CURLETT.

Application for Patent No. 632/DEL/88 filed on 26 July 1988.

Divisional to Patent Application No. 646/DEL/1987 filed on 28 July 1987.

Ante-dated to 28 July 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Pteant Office Brnch, New Delhi-110005.

8 Claims

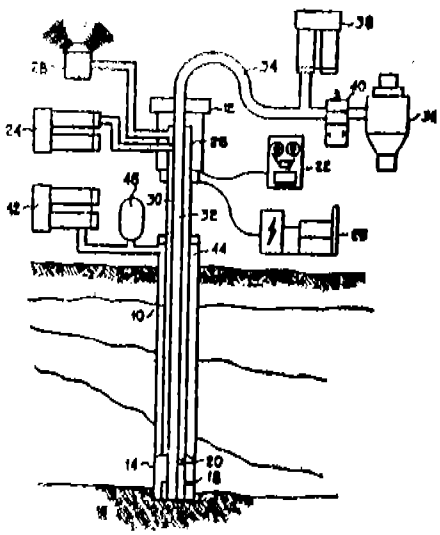
A drill pipe for use in drilling subterranean formations, comprising:

an outer casing (616) having threads at both ends thereof for connection to other similar outer casings, (614) said outer casings (616, 614) for withstanding torque and tensile loads of other pipes (598, 596) connected thereto;

at least one tubular conduit (632, 628, 630, 626) freely suspended within said outer casing (616) whereby said conduit (632, 628, 630, 626) is substantially relieved of tensile

loads carried by said outer casings (616, 614) said conduit (632) for carrying pressurized fluids therethrough;

a coupler (600) assembly for coupling said outer casing (616) to said other similar outer casing (614) of other drill pipes, (598, 596) said coupler assembly (600) capable of for transferring torque and tensile loads from one said outer casing to another said outer casing, (656, 623, 636) for supporting the end of said conduit (632) within said outer casing (616) so as to prevent transfer of tensile loads through said conduit; (632) etc. and (644) for sealing said conduit (632, 630) to other similar conduits (628, 626) in said other similar outer casing 614) for providing a continuous sealed conduit.



(Comp. Specn. 45 pages; Drwg. 7 sheets)

Ind. Cl. : 98 E VII (2). 174174

Int. Cl.[4] : F 24 H 1/00.

AN IMPROVED GEYSER.

Applicant : PRABHAT KUMAR, AN INDIAN CITIZEN OF C-5/16, SAFDERJUNG DEVELOPMENT AREA, NEW DELHI-110016, INDIA.

Inventor : PRABHAT KUMAR.

Application No. 735/DEL/88 filed on 29-08-88.

Complete Specification filed on 29-11-89.

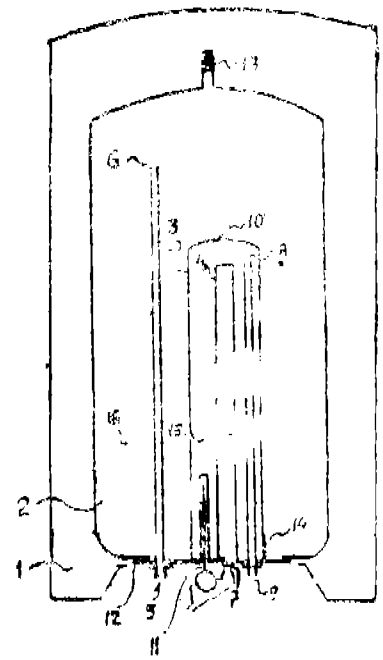
5 Claims

An improved geyser (for water heating) comprising (of) a Water (2) shell, segregating shell, heat source;

An insulating (1) shell encapsulate said water shell (2);

Inside of said water shell (2) being compartmentalised by said segregating shell (3) into a main compartment and atleast a small compartment (15);

An inlet (5) provided with said main compartment; an outlet (19) provided with said small compartment (15) and upstream of said inlet in fluid communication with said inlet (5) through said main compartment (16); said heat source (4) being inside said small (15) compartment in first thermal contact with encompassing water in said small compartment;



(Prov. Specn.—02 Drg.—)
(Comp. Specn.—09 Drg.—01)

Ind. Cl. : 126 (B+D) [LVIII (6)] 174175

Int. Cl.[4] : G 01 N 3/00.

A DEVICE FOR TESTING PERMEABILITY OF GEOTEXTILES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. MURTY AKELLA VENKATA SRI RAMACHANDRA.
2. MATHUR SUDHIR.
3. BHAGWAN JAI.

Application No. 736/DEL/88 filed on 29 August 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A device for testing permeability of geotextiles comprising two hollow metal cylinders of the same diameter (A&B) fixed tightly one above the other a central base plate (C) being placed in between the said two cylinders (A&B) the geotextile (K) whose permeability is to be determined being placed above the said base plate (C), the lower cylinder (B) having an outlet (D) at the bottom for draining of the water passing through the geotextile, the upper cylinder (A) being provided with a ram (E) and piston (F) a constant water head chamber (O) on one side of the upper cylindor has an inlet (G) and an outlet (I) for allowing water to pass through geotextile and for keeping a constant water head another chamber (N) on the other side of the upper cylinder has an outlet (H) for collecting water passes through the geotextile the upper cylinder (A) having an inlet (L) at the

top for the inflow of water which passes through the geotextile (K) and through a slit (P) is collected through the outlets (H, D).

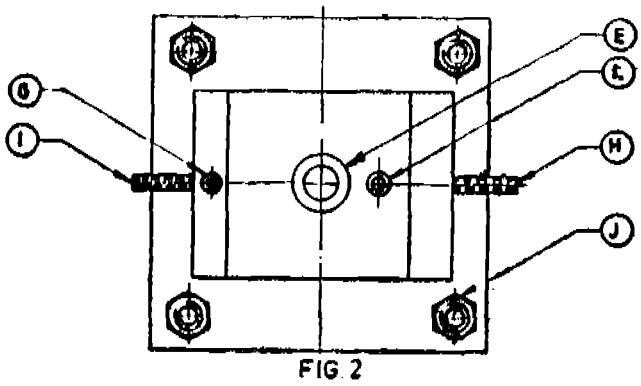


FIG. 2

(Comp. Specn. 7 pages; Drg. 3 sheets)

Ind. Cl. : 179, [XN (6)] 174176

Int. Cl.: B 65 B 3/00.

MACHINE FOR AUTOMATICALLY SIMULTANEOUSLY PRODUCING A PRE DETERMINED A NUMBER OF FILED AND SEALED FINISHED PACKAGES.

Applicant: SANFORD REDMOND INC., A COMPANY ORGANISED & EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK U.S.A. OF 780 EAST 134 STREET, BRONX, NEW YORK 10454, UNITED STATES OF AMERICA.

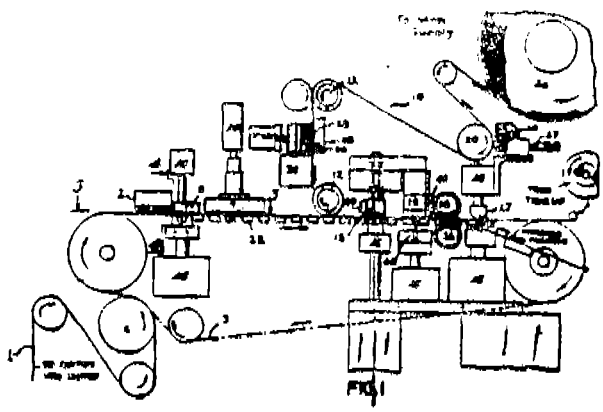
Inventor: SANFORD REDMOND.

Application for Patent No. 787/DEL/88 filed on 19 September 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch New Delhi-5.

6 Claims

A machine for automatically simultaneously producing a predetermined number of filled and sealed finished packages, comprising pneumatically driven adjustable indexing drive means (12) for driving a main shaft member; sprocket means on said main shaft engaging a pair of web transporting roller chains (3) for intermittently advancing and resting said pair of web transporting roller chains (3) along a fixed path over roller means in response to movement of said main shaft; said web transporting roller chains (3) having a series of upstanding pin members (5); rotary impaler cylinder means (6) connected to and driven by said roller chains (3); roller means for transporting a bottom thermoformable web (1) material from a supply roll to said roller impaler cylinder means (6), said roller impaler cylinder means (6) for impaling each of the opposed lateral edges of said bottom thermoformable web (1) onto said roller chain pin members (3) whereby said bottom thermoformable web is intermittently advanced along the path of said roller chains (3); a heating station (2) in the path of said roller chains (3) for heating said web (1) to thermoformability; a forming station in the path of said roller chains (3) subsequent to said heating station (2); said forming station having retratable forming die means (7) for forming a series of cup-like pockets in said bottom web (1); a filler station (9) in the path of said roller chains (3) and subsequent to said forming station; said filler station (9) having means (46, 47, 53) filling each of said cup-like pockets with an equal amount of a product supplied to asid filler station (9); driven roller means (11, 24) on an opposite side of said path of said roller chains (3) from said impaler cylinder means (6) for simultaneously advancing a thermoformale top web material (10) after filling station (9) in timed sequence with the intermittent advance of said filled cup-like pockets of said bottom web (1), said top wef driven roller means (11, 24) transporting said top web (10) substantially parallel closely adjacent proximity to said bottom web (1) after the cup-like pockets formed therein are filled; drawn roller means (16) on either sides of said path of said roller chains (3) for intermittently indexing both of said bottom chain (1) (3) and said top web (10) together to a sealing station (13) in the path of said roller chains (3), said sealing station (13) having retractable heat sealing die (36) and clamping means (36, 37) for heat sealing the top (10) and bottom webs (1) together; said roller chains (3) intermittently indexing said sealed top (10) and bottom web (1) members to a punch station located in the path of said roller chains, said punch station having a series of punch dies (39) which punch rounded openings in the sealed web members at the location of the corners of the individual packages to be formed; a longitudinal cutting station having knife means (41, 43) to slit said top and bottom web members (10, 1) along first opposed sides of said cup-like pockets (22) and adjacent the pin (5) engaging edge portions of said bottom web (1); transverse cutting means also provided in said path of said chains for slitting said top and bottom web members (10, 1) along second opposed sides of said cup-like pockets (22) to thereby separate the individual finished packages from one another; means RAMP adjacent said cutting means (41, 43) for transporting said finished packages away from the path of said roller chains (3); and take up roller means also adjacent said cutting station for removing the bottom web trim from said roller chain pins (5).



(Compl. Specn. 25 pages; Drg. 4 sheets.)

Ind. Cl : 53 B [LII (5)] 174177

Int. Cl.: B 62 L 3/00.

"APPARATUS FOR USL IN ACTUATING A SPEED GEAR OF SEQUENTIAL TYPE USED IN TWO-WHEELERS".

Applicant : PIAGGIO VEICOLI EUROPEI S.P.A. FORMERLY KNOWN AS PIAGGIO VEICOLI EUROPEI S.R.L., A COMPANY ORGANISED UNDER THE LAWS OF THE ITALIAN REPUBLIC, OF VIALE RINALDO PIAGGIO. 23 PONTEDERA (PISA), ITALY.

Inventor : 1. NUTI MARCO.

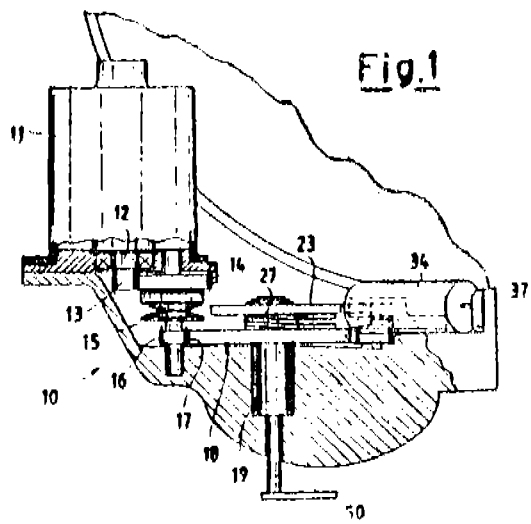
Application No. 791/DEL/88, filed on 20th September, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110 005.

Claims 15

Apparatus for use in actuating a speed gear of sequential type used in two-wheelers and connected with a drive shaft (12) through a clutch coupling (15). the apparatus comprising a rotary selector arm (50), rotatable through a series of angular positions corresponding to a series of transmission ratios and to a position of idling of the speed gear, characterised by a first rotary element (23) rigidly connected with said selector arm. (50) an electrical motor (11) connected

with said first rotary element (23) through a clutch, (15) a second rotary element (18) coupled with the first rotary element (23) through coupling means 20, 21, 22-25, 26, 27) permitting a limited angular movement of the first rotary element (23) relative to the second rotary element (18) from a position of stroke beginning to a position of stroke end, corresponding to the rotation of the selector arm (50) from an angular position thereof to adjacent angular positions thereof belonging to said series of angular positions, locking means (35, 36) which are releasable engageable with the second rotary element (18), in order to prevent said second rotary element (18) from rotating while said electrical motor (11) is being actuated, elastic return means (27) connected to both said first (23) and said second (18) rotary elements, said elastic means (27) rotatably returning the second rotary element (18), relative to the first rotary element (23), to an angular position corresponding to said stroke beginning position when the electrical motor (11) is disabled and said locking means (35, 36) are disengaged from the second rotary element, (18) and said electrical motor (11) and said locking means (35, 36) being conected to a control element (34, 37) for controlling said clutch coupling (15) and to a further control element (46) controlling said speed gear.



(Compl. specn. 16 pages; Drg. 2 sheets)

Ind. Cl. : 85 R [XXXI] 174178

Int. Cl.[4] : F 27 B 1/08.

"BLAST PIPE HOLDER FOR INJECTING PREHEATED AIR INTO A SHAFT FURNACE".

Applicant : PAUL WURTH S.A., A COMPANY, ORGANISED UNDER THE LAWS OF LUXEMBOURG OF 32, RUE D' ALSACE, L-1122 LUXEMBOURG GRANDDUCHY OF LUXEMBOURG.

Inventor : MARC SOLVI.

Application No. 796/DEL/88, filed on 21-9-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110 005.

Claims 06

1. A blast pipeholder for injecting preheated air into a shaft furnace comprising a plurality of tubular elements (10) having an inner refractory lining (30) and connected to the wall of the furnace by means of an elbow (16) on one side a tuyere (18) connecting a nozzle (20) to a main circular pipe (54) located at the furnace on the other side and fed with preheated air by means of a system comprising a blower, (46) a plurality of cowper stoves (42) and a mixing chamber, (48) characterised in that cooling coils (36) embedded in the mass of refractory lining (30) and in the same direction as the preheated air, and in that the outlet S of the coils open into the inner conduit (34) thereby conveying the preheated air.

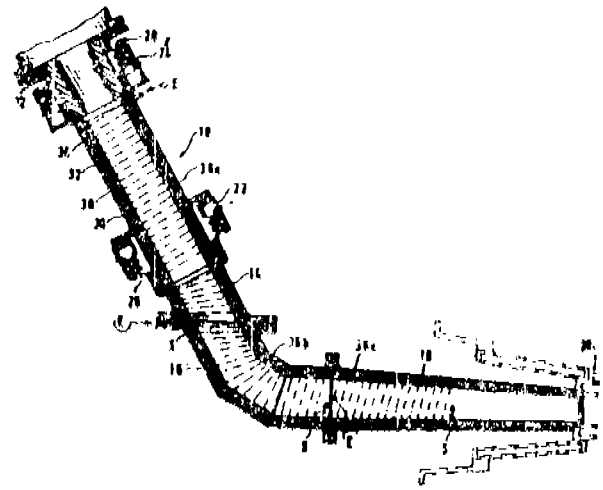


Fig. 1

(Compl. specn. 9 pages; Drg. 2 sheets)

Ind. Cl. : 39 C [III] 174179

Int.[4] Cl. : C01 C 1/08

"PROCESS FOR THE PRODUCTION OF AMMONIA.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SWIP 3JF, ENGLAND.

Inventor : PINTO ALWYN.

Application No. : 798/DEL/88 filed on 21-09-88

Convention date : 19-10-87/8724474/U.K.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

Claims 08

An improved process for the continuous production of ammonia capable of operation with a changed hydrocarbon feed, i.e. methane (feedstock A) to naphtha (feedstock B) or vice versa, without changing the primary profroming catalyst which comprises :

(a) subjecting a hydrocarbon feed to primary catalytic steam reforming by passing said feed and steam over a primary steam reforming catalyst suitable for the reforming of feedstock B disposed in externally heated tubes, the catalyst in at least the inlet part of the tubes being alkalised to produce a primary reformed gas stream comprising hydrogen, carbon oxides, methane, and unreacted steam which exits at a specific primary reforming outlet temperature;

(b) subjecting said primary reformed gas stream, optionally together with an additional amount of the hydrocarbon feed and/or steam, to secondary steam reforming by partially combusting said stream with a pre-determined amount of air and passing the resultant hot gas mixture over a secondary steam reforming catalyst under substantially adiabatic conditions to bring the mixture towards equilibrium thereby producing a secondary reformed gas stream containing hydrogen, carbon oxides, nitrogen, a decreased quantity, of methane, argon, and unreacted steam;

(c) subjecting said secondary reformed gas stream, optionally together with a further quantity of steam, to one or more stages of catalytic shift reaction by passing it over a shift catalyst to convert carbon

monoxide to carbon dioxide with the consequent production of a mole of hydrogen for each mole of carbon monoxide converted, the amount of air employed at the secondary reforming stage being sufficient to provide in the shifted gas stream a predetermined hydrogen to nitrogen molar ratio;

(d) removing in any known manner the carbon oxides and unreacted steam from said gas stream to produce ammonia synthesis gas;

(e) synthesising in any known manner ammonia from said ammonias synthesis gas;

characterised in that thereafter :

(f) the hydrocarbon feed is switched from feedstock A to feedstock B, or vice versa;

(g) the amount of external heating to the reformer tubes containing said primary steam reforming catalyst is adjusted so that the degree of said external heating is more when the hydrocarbon feed is feedstock B than when it is feedstock A, whereby the outlet temperature of said primary reformed gas steam is in the range of from 780°C to 830°C when the hydrocarbon feed is feedstock B and said temperature is from 10 C to 50 C lower when the hydrocarbon feed is feedstock A;

(h) the amount of air, expressed as moles of air per gram atom of carbon in the hydrocarbon feed, fed to said secondary reforming stage, is adjusted such that said amount of air is greater when the hydrocarbon feed is feedstock A than when it is feedstock B, whereby the amount of nitrogen introduced is such that the hydrogen to nitrogen molar ratio of the shifted gas stream is in the range of 2.2 to 2.7 when the hydrocarbon feed is feedstock A and is in the range of 2.4 to 2.9 when the hydrocarbon feed is feedstock B whereby said amount of nitrogen is in an excess of that required for ammonia synthesis; and

(i) said excess of nitrogen is separated in any known manner after the shift stage.

(Comp. Spcn.—30 Drgn—Nil)

Ind. Cl. : 125 [XLI (B)] 174180

Int. Cl.[4] : B 67 D—1/00

A DEVICE FOR DISPENSING A PREDETERMINED QUANTITY OF A LIQUID.

Applicant : JEAN GUIGAN, A FRENCH CITIZEN, OF 9, RUE JEAN MERMOZ, 75008 PARIS, FRANCE.

Inventor : JEAN GUIGAN

Application No. : 6995/DEL/88 FILED ON 16 Nov. 88.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi.

5 Claims

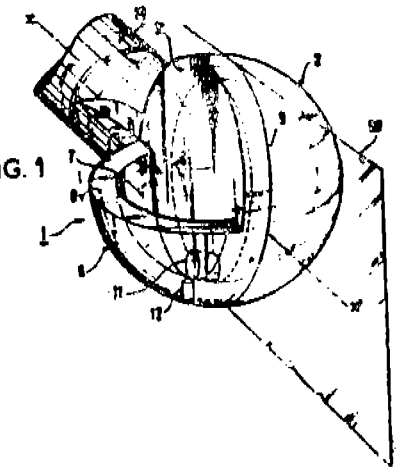
A device for dispensing a predetermined quantity of a liquid, said device comprising :

a pipette (1) constituted by a rod (10) having a substantially spherical element (2,3,4) fixed at one end thereof, said substantially spherical (2, 3, 4) element comprising a hollow hemisphere (2) closed by a diametrical partition (3) to define a calibrated volume (4) corresponding to said predetermined quantity, a portion of spherical cap (6) extending from said hemisphere (2) to form a liquid inlet chamber (7) which is wide open, said chamber (7) having a peripheral opening (12) leading to the outside and an opening (11) through said partition for communicating with said calibrated volume, said two openings (11,12) being at a distance from the center of said hemisphere (2).

mechanical (25) means of the kind such as herein described for holding the free end of said rod (10) in a first position (51) for filling and calibration and in a second position (52) for emptying said pipette (1), said two positions (51,52) corresponding to two inclined positions of said diametrical partition (3) relative to a vertical plane; and

means (20,21,22,23) for rotating said pipette (1) at high speed about a vertical (22) axis both in said first position (51) and second position (52) with the hemisphere (2) being further away from the axis of rotation than said inlet chamber (7) in said first position (51), and closer in said second position (52).

FIG. 1



(Comp. Specn.—9 pages, Drgs.—3 sheets.)

PATENT SEALED

ON—2—9—94.

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Cal—11, Del—1, Bom—20

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Mas—Nil

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

AMENDMENT PROCEEDING UNDER SECTION 57

Notice is hereby given that M/s. HARISH TEXTILE ENGINEERS Ltd. of 19, Parsi Panchayat Road, Andheri (East) Bombay-400 069 Maharashtra, India have made an application under Section 57 of the Patents Act, 1970 for amendment of address for service for Patent No. 172671 (71/BOM/90) for 'AN IMPROVED FABRIC SUEDING MACHINE'. The amendments are by way of amendments of address for service in India. The application for amendment and proposed amendment can be inspected free of charge at Patent Office Branch, Todi Estate, 3rd floor, Sun Mill Compound, Lower Parel (West) Bombay-400 013 on any working day during the usual official hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment file a notice of opposition within three months from the date of this notification to the Patent Office Branch, Bombay.

If full written statement of opposition is not filed with the notice of opposition it should be left within one month from the date of filing the said Notice of Opposition.

RENEWAL FEES PAID

160917 161433 161652 164465 165095 165105 165196 165261 165549 165668 165871 167176 167179 167283 167389 167394 167440 167448 167456 167908 169357 169470 169566 169726 169790 171148 171171 171435 171436 171458 171507 171662 171664 171688 171690 171737 171840 171847 171848 171901 171908 171909 171932 171956 171960 171993 171994 172065 172071 172073 172074 172091 172094 172095 172113 172121 172123 172125

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RESTORATION PROCEEDING

Notice is hereby given that an application for restoration of Patent No. 166431 dated the 3rd April, 1986 made by Energy Conversion Devices, Inc. on the 1st November, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 15-1-1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of patent No. 166592 dated the 20th January, 1986 made by Venkitram Srinivasan on the 28th December 1993 and notified in the Gazetted of India, Part III, Section 2, dated the 5-3-1994 has been allowed and the said patent restored.

OPPOSITION PROCEEDING

An Opposition has been entered by Bajaj Auto Ltd., on Patent Application No. 172804 (67/MAS/89) made by TVS-Suzuki Ltd.

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 165034, Milton Plastics Ltd., a company incorporated under the companies Act, 1956, having its registered office at 58D, Govt., Industrial Estate, Charkop, Kandivli west, Bombay 400067, Maharashtra, India, "SPOON", 24th November 1992.

Class 3. No. 165324, Milton Plastics Ltd., ..." "Multipurpose Cup", 12th February 1993.

Class 3. No. 165445, Council of Scientific & Industrial Research Rafi Marg, New Delhi-10001, India, an Indian Registered body incorporattd under the Registration of Societies Act (Act XXI of 1860) and Engineers India Ltd., a company incorporated under the Companies Act, 1956 and having its registered office at EI House, 1, Bhikaji cama Place, New Delhi-110066, India, ("ANGULAR CORRUGATED PERFORATED SHEET", 22nd March, 1993.

Class 3. No. 165446, Council of Scientific..... "ANGULAR CORRUGATED PERFORATED SHEET", 22nd arch 1993.

Class 3. No. 166402, GENIUS PLASTICS, a registered partnership firm, having office at Saki Vihar Road Chokai, Compound, Pawai, Bombay-400072. Maharashtra, India, "EIGHT GANG PLATE" 20th October 1993.

Class 3. No. 166403, GENIUS PLASTICS." "A ONE GANG PLATE", 20th October 1993.

Class 3. No. 166501 & 166502. THERMOS LIMITED, a British company of Ongar Road, Brentwood, Essex, CM 15 9 AY, England, "CONTAINER", 17th May 1993.

Class 3. No. 166161 & 166162, DUNLOP INDIA LIMITED, of Dunlop House, 57B. Mirza Ghalib Street, Calcutta-700016, West Bengal, India "TYRE", 13th September 1993.

Class 3. No. 166362, BACCAROSE PERFUMES & BEAUTY PRODUCTS LIMITED, an Indian Company at 66, Maker Chamber VI, Nariman Point, Bombay-400021, Maharashatra State, India "BOTTLE", 13th October 1993.

Class 3. No. 1766363, BACCAROSE.....India, "BOTTLE CAP", 13th October 1993.

Class 3. No. 166347, Gala Brush Industries at 186 Narshi Natha Street, Bhat Bazar, Bombay-400009, Maharashtra, India, a registered partnerhip firm, "PEELER CUM BRUSH", 12th October 1993.

Class 3. No. 166604, Shriram Foods & Fertiliser Industries, A division of Shriram Industrial Enterprises Limited, An Indian Company, 15 Shivaji Marg, New Delhi-110001, India, "BOTTLE", 20th December 1993.

Class 13. No. 166602, Indian Handicrafts. 24 Nehru Place, New Delhi-110019, India, an Indian partnership firm, "PRINTED CLOTH", 20th December 1993.

Class 3. No. 167243, Imperial Plastics, A 105, Ghatkopar Industrial Estate, Behind Anacin, L. B. Shastri Marg, Ghatkopar, Bombay-400086, Maharashtra, India, an Indian Partnership firm, "MULTIPURPOSE RACK", 26th April 1994.

Class 3. No. 166016, The Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi, India, "HANDLE BAR LUG GRIP", 10 August 1993.

Class 3. No. 166521, FEE TAT HOLDINGS (HK) LIMITED, a company organised and existing under the laws of HongKong, of 30 Wong Chuk Hang Road, 3rd Floor, Aberdeen, Hong Kong, "COMBINED FAN LIGHT", 3rd September 1993.

Class 3. No. 166167, Taurus Impressions, INC., a California Corporation, having a place of business of 1685 Plymouth Street, Mountain View, California 94043, United States of America, "DEBOSSMENT TAPE CARTRIDGE", 15th September 1993.

Class 3. No. 166460, GUNDA ESHWAR, Indian, trading as SUDHIR INSTRUMENTS, A sole proprietorship concern, of 6-3-1186/A. Rajbhavan Road, Begumpet, Hyderabad-500016, Andhra Pradesh State, India, "AUTO INJECTOR (SYRINGE)", 2nd November 1993.

Class 3. No. 166919, PEARL POLYMERS LIMITED, 704 Rohit House, 3, Tolstoy Marg, New Delhi-110001, India, "BOTTLE", 7th March 1994.

Class 3. No. 166048, T. V. K. INDUSTRIES 3269. First Floor, General Bazar, Secunderabad-500003, Andhra Pradesh, India, an Indian Partnership firm, "BOTTLE", 17th August 1993.

Class 3. No. 166270, Ozna Engineering Works, of 1-8-19, Minister Road, Ramgopalpur, Secunderabad-500003, Andhra Pradesh, India, a Proprietorship concern, "A REFRIGERATER STAND", 27th September 1993.

Class 3. No. 166931, PATEL ELECTRICALS, of 35 MAHAL INDUSTRIAL ESTATE, MAHAKALI CAVES ROAD, ANDHERI EAST, BOMBAY-400093, Maharashtra, India, Indian Partnership firm, "TUBE LIGHT", 8th March 1994.

Class 13. No. 165784, Indian Handicrafts, 24 Nehru Place, New Place, New Delhi-110019, India, an Indian Partnership firm, "PRINTED CLOTH", 22nd June 1993.

Class 13. No. 165235, Ravissant Private Limited, an Indian company, 50-51, Community Centre, New Friends Colony, New Delhi-110065, India, "PRINTED CLOTH", 29th January 1993.

Class 13. No. 166271, Ravi Gupta of address 2752, Chhatta Pratap Singh, Kinari Bazar, Delhi-6, India, "WOVEN BED COVER", 27th September 1993.

Class 13. No. 165229 to 165234, Ravissant Private Limited, an Indian Company, 50-51, Community Centre, New Friends Colony, New Delhi-110065, India "PRINTED CLOTH", 29th January 1993.

Class 13. No. 165301 & 165302, Mrs. Neeru Kumar, of E-9/10, Vasant Vihar, New Delhi-110057, India, an Indian citizen, "WOVEN CUSHION COVERS", 9th February 1993.

Class 13. No. 165308 to 165310, Mrs. Neeru Kumar, of E-9/10, Vasant Vihar, New Delhi-110057, India, an Indian citizen, "WOVEN BED COVERS", 9th Febuary 1993.

Class 13. No. 165780 & 165781, Indian handicrafts, 24-Nehru Place, New Delhi-110019, India, an Indian partnership firm, "PRINTED CLOTH", 22nd June 1993.

Class 8. No. 165080, Imperial Exports, a Registered Indian partnership concern of 11, Kaiserbagh, Lucknow-226001, Uttar Pradesh, India, "DURRIE (FLOOR COVERING)" 9th December 1992.

Class 4. No. 166154, Spencer & Company Limited, an Indian company having its principal place of business at No. 769, Annasalai, Madras-600002, Tamilnadu, India, "BOTTLE", 13th September 1993.

Class 4. No. 166318, R. V. Diamond Teete, 101 Udyog Nagar, Plot No. 7, 1st floor, S. V. Road, Goregaon West, Bombay-400062, Maharashtra, India, an Indian partnership firm, "DIAMOND POLISHING MILL", 6th October 1993.

Class 4. No. 166889, EMPEE, DISTILLERIES LIMITED, 695, Mount Road, Madras-600006, Tamilnadu, India, an Indian company, "BOTTLE", 28th February 1994.

Class 12. No. 164990, Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi 110001, India, an Indian sole proprietorship concern "TOY-CORRILLS MADE OF FABRICS", 13th November 1992.

Class 12. No. 164991, Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India, an Indian sole proprietorship Concern, "TOY-HEN MADE OF FABRICS", 13th November 1992.

Class 12. No. 165788 to 165793, Bharat Biscuit Co. (P) Ltd., 538, Jodhpur Park, Calcutta-700068, West Bengal, India, 24th June 1993.

Class 12. No. 166186, Bharat Biscuit Co. (P) Ltd., 538, Jodhpur Park, Calcutta-700068, West Bengal, India, "BISCUIT", 17th September 1993.

Class 10. No. 165404, Alert India, a partnership firm of address A/137/6, Group Industrial Area, Wazirpur, Delhi-110052, India "SOLE OF FOOTWEAR", 4th March 1993.

Class 10. No. 165650, Alert India, a partnership firm of adderss A/137/6, Group Industrial Area, Wazirpur, Delhi-110052, India, "THE SOLE OF FOOTWEAR", 18th May 1993.

Class 10. No. 165762, Alert India, a partnership firm of address C/1, S.M.A. Industrial Estate, G.T. Karnal Road, Delhi-33, India "SOLE OF FOOTWEAR", 17th June 1993.

Class 10. No. 165852, Alert India, a partnership firm of address C/1, S.M.A. Industrial Estate, G.T. Karnal Road, Delhi-33, India, "SOLE OF FOOTWEAR", 7th July 1993.

Class 14. No. 166026 & 166024, Mrs. Neeru Kumar, of E-9/10, Vasant Vihar, New Delhi-110057, India, an Indian citizen, "WOVEN BED COVERS", 12th August 1993.

Class 14. No. 166029, Mrs. Neeru Kumar of E-9-10, Vasant Vihar, New Delhi-110057, India an Indian citizen, "WOVEN CUSHION COVERS", 12th August 1993.

R. A. ACHARYA
Controller General of Patent, Design & trade Marks.

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
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